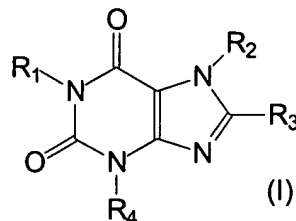


Amendments to the Claims:

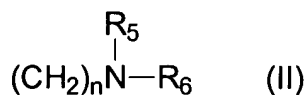
1. (Original) A compound of formula (I):



wherein

R<sub>1</sub> is a branched or straight chain C<sub>1</sub>-C<sub>8</sub> alkyl;

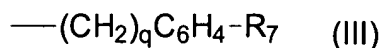
R<sub>2</sub> is of the formula (II),



wherein n is an integer ranging from 1 to 8; R<sub>5</sub> is H or (CH<sub>2</sub>)<sub>p</sub>CH<sub>3</sub>, and R<sub>6</sub> is H or (CH<sub>2</sub>)<sub>m</sub>OH,

wherein p is an integer ranging from 1 to 7 and m is an integer ranging from 1 to 8;

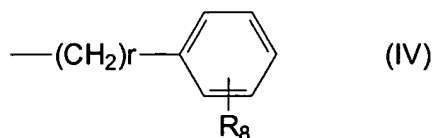
R<sub>3</sub> is of the formula (III),



wherein q is an integer ranging from 1 to 8; and R<sub>7</sub> is selected from the group consisting of H, OH, NH<sub>2</sub>, (CH<sub>2</sub>)<sub>t</sub>OH, and R<sub>9</sub>COOH;

wherein R<sub>9</sub> is a straight or branched chain alkylene or alkenylene group having 1 to 8 carbon atoms, and t is an integer ranging from 1 to 8;

R<sub>4</sub> is of the formula (IV),



wherein r is an integer ranging from 1 to 8 and R<sub>8</sub> is ortho or meta and is selected from the group consisting of H, OH, (CH<sub>2</sub>)<sub>f</sub>NH<sub>2</sub>, (CH<sub>2</sub>)<sub>s</sub>OH, and R<sub>10</sub>COOH

wherein f is 0 or f and s are independently integers ranging from 1 to 8;  
and,

R<sub>10</sub> is a C<sub>1</sub>-C<sub>8</sub> straight or branched chain alkylene or alkenylene; and;  
salts, solvates, and hydrates thereof.

2. (Original) The compound according to Claim 1, wherein R<sub>1</sub> is C<sub>3</sub> alkyl; R<sub>2</sub> is –  
(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>2</sub>CH<sub>3</sub>)(CH<sub>2</sub>)<sub>2</sub>OH; R<sub>8</sub> is NH<sub>2</sub>; R<sub>7</sub> is H; R<sub>8</sub> is NH<sub>2</sub>; f is 0; n is 2; q is 1; and r is 2.

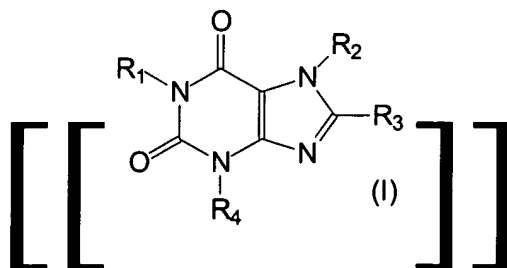
3. (Original) The compound according to Claim 1, wherein R<sub>1</sub> is C<sub>3</sub> alkyl; R<sub>5</sub> is  
CH<sub>3</sub>(CH<sub>2</sub>)<sub>p</sub> wherein p is 1; R<sub>6</sub> is H; R<sub>7</sub> is NH<sub>2</sub>; f is 0; R<sub>8</sub> is NH<sub>2</sub>; n is 2; q is 1; and r is 2.

4. (Original) The compound according to Claim 1, wherein R<sub>1</sub> is C<sub>3</sub> alkyl; R<sub>5</sub> is  
CH<sub>3</sub>(CH<sub>2</sub>)<sub>p</sub> wherein p is 1; R<sub>6</sub> is H; R<sub>7</sub> is H; R<sub>8</sub> is NH<sub>2</sub>; f is 0; n is 2; q is 1; and r is 2.

5. (Original) The compound according to Claim 1, wherein R<sub>1</sub> is C<sub>3</sub> alkyl; R<sub>5</sub> is  
CH<sub>3</sub>(CH<sub>2</sub>)<sub>p</sub> wherein p is 1; R<sub>6</sub> is H; R<sub>7</sub> is H; R<sub>8</sub> is (CH<sub>2</sub>)<sub>s</sub>OH wherein s is 2 and  
R<sub>10</sub>COOH, wherein R<sub>10</sub> is CH=CH; n is 2; q is 1; and r is 2.

6. (Original) The compound according to Claim 1, wherein R<sub>1</sub> is C<sub>3</sub> alkyl; R<sub>5</sub> is  
CH<sub>3</sub>(CH<sub>2</sub>)<sub>p</sub> wherein p is 1; R<sub>6</sub> is H; R<sub>7</sub> is (CH<sub>2</sub>)<sub>t</sub>OH wherein t is 2 and R<sub>9</sub>COOH, wherein  
R<sub>9</sub> is CH=CH; R<sub>8</sub> is NH<sub>2</sub>; f is 0; n is 2; q is 1; and r is 2.

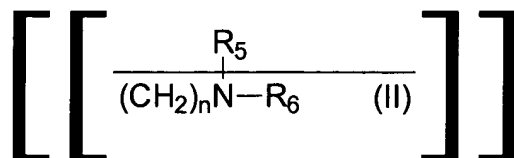
7. (Currently amended) A diagnostic assay-type probe comprising a compound  
according to claim 1; of the compound (I):



wherein

~~R<sub>1</sub> is a branched or straight chain C<sub>4</sub>-C<sub>8</sub> alkyl;~~

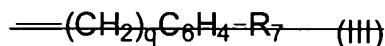
~~R<sub>2</sub> is of the formula (II),~~



~~wherein n is an integer ranging from 1 to 8; R<sub>5</sub> is H or (CH<sub>2</sub>)<sub>p</sub>CH<sub>3</sub>, and R<sub>6</sub> is H or (CH<sub>2</sub>)<sub>m</sub>OH,~~

~~wherein p is an integer ranging from 1 to 7 and m is an integer ranging from 1 to 8;~~

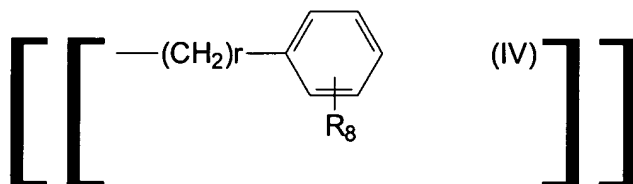
~~R<sub>3</sub> is of the formula (III),~~



~~wherein q is an integer ranging from 1 to 8; and R<sub>7</sub> is selected from the group consisting of H, OH, NH<sub>2</sub>, (CH<sub>2</sub>)<sub>t</sub>OH, and R<sub>9</sub>COOH;~~

~~wherein R<sub>9</sub> is a straight or branched chain alkylene or alkenylene group having 1 to 8 carbon atoms, and t is an integer ranging from 1 to 8;~~

~~R<sub>4</sub> is of the formula (IV),~~



~~wherein r is an integer ranging from 1 to 8 and R<sub>8</sub> is ortho or meta and is selected from the group consisting of H, OH, (CH<sub>2</sub>)<sub>f</sub>NH<sub>2</sub>, (CH<sub>2</sub>)<sub>s</sub>OH, and R<sub>10</sub>COOH;~~

~~wherein f is 0 or f and s are independently integers ranging from 1 to 8; and,~~

~~R<sub>10</sub> is a C<sub>4</sub>-C<sub>8</sub> straight or branched chain alkylene or alkenylene; and;  
salts, solvates, and hydrates thereof;~~

wherein the compound is labeled by a radioactive or non-radioactive material thereon or optionally connected to the compound of formula (I) by a spacer component present thereon, wherein the spacer component has functionality which bonds to the amine, hydroxyl, or carboxyl functionality present on the R<sub>7</sub> or R<sub>8</sub> substituent of the compound.

8. (Original) The assay-type probe according to Claim 7, wherein said non-radioactive material is a fluorescent dye.

9. (Original) The assay-type probe according to Claim 7, wherein said non-radioactive material is biotin.

10. (Original) The assay-type probe according to Claim 7, wherein said non-radioactive material is a luminescent dye.

11. (Original) The assay-type probe according to Claim 7, wherein said non-radioactive material is obelin.

12. (Original) The assay-type probe according to Claim 7, wherein R<sub>1</sub> is C<sub>3</sub> alkyl, R<sub>5</sub> is CH<sub>3</sub>(CH<sub>2</sub>)<sub>p</sub>; p is 1; R<sub>7</sub> is H; R<sub>8</sub> is NH<sub>2</sub>; f is 0; n is 2; q is 1; r is 2; and R<sub>6</sub> is (CH<sub>2</sub>)<sub>m</sub>OH; m is 2; and the non-radioactive material is biotin bonded to the hydroxyl group present on R<sub>6</sub>.

13. (Original) The assay-type probe according to Claim 7, wherein R<sub>1</sub> is C<sub>3</sub> alkyl; R<sub>5</sub> is CH<sub>3</sub>(CH<sub>2</sub>)<sub>p</sub> wherein p is 1; R<sub>6</sub> is H; R<sub>7</sub> is NH<sub>2</sub>; f is 0; n is 2; q is 1; r is 2; R<sub>8</sub> is NH<sub>2</sub>; and the non-radioactive material is biotin bonded to the amino group present on R<sub>8</sub>.

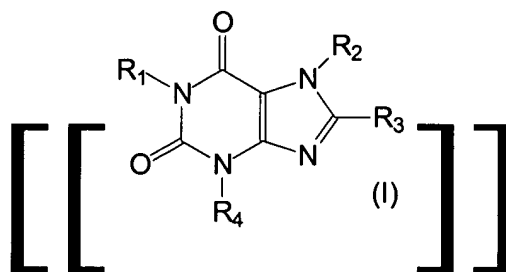
14. (Original) The assay-type probe according to Claim 7, wherein R<sub>1</sub> is C<sub>3</sub> alkyl; R<sub>5</sub> is CH<sub>3</sub>(CH<sub>2</sub>)<sub>p</sub> wherein p is 1; R<sub>6</sub> is H; R<sub>7</sub> is H; n is 2; q is 1; r is 2; and R<sub>8</sub> is

R<sub>10</sub>COOH, wherein R<sub>10</sub> is an alkylene or alkenylene group having 1 to 8 carbon atoms; and the non-radioactive material is biotin bonded to the carboxyl group present on R<sub>8</sub>.

15. (Original) The assay-type probe according to Claim 7, wherein the compound is labeled by the radioactive material connected by a spacer component, and the spacer component has functionality which bonds to the amine, hydroxyl, or carboxyl functionality present on the R<sub>7</sub> or R<sub>8</sub> substituent of the compound.

16. (Original) The assay-type probe according to Claim 7, wherein the compound is labeled by the radioactive material and the radioactive material is a radioactive isotope selected from the group consisting of <sup>18</sup>F, tritium, <sup>11</sup>C, <sup>13</sup>C, and <sup>15</sup>N; a complex of a metal atom or complex of a metal ion, a chelating agent, or <sup>125</sup>I.

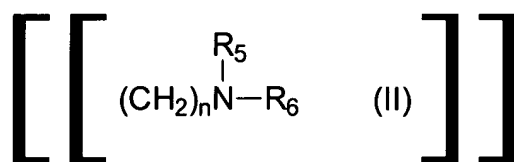
17. (Currently amended) An imaging agent for adenosine receptors comprising a compound according to claim 1; of Formula (I):



wherein

~~R<sub>1</sub> is a branched or straight chain C<sub>4</sub>-C<sub>8</sub> alkyl;~~

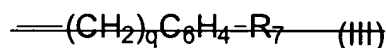
~~R<sub>2</sub> is of the formula (II),~~



wherein  $n$  is an integer ranging from 1 to 8;  $R_5$  is H or  $(CH_2)_p CH_3$ , and  $R_6$  is H or  $(CH_2)_m OH$ ,

wherein  $p$  is an integer ranging from 1 to 7 and  $m$  is an integer ranging from 1 to 8;

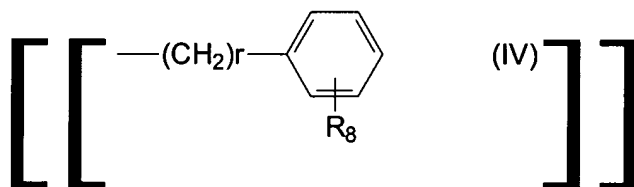
$R_3$  is of the formula (III),



wherein  $q$  is an integer ranging from 1 to 8; and  $R_7$  is selected from the group consisting of H, OH,  $NH_2$ ,  $(CH_2)_t OH$ , and  $R_9 COOH$ ;

wherein  $R_9$  is a straight or branched chain alkylene or alkenylene group having 1 to 8 carbon atoms, and  $t$  is an integer ranging from 1 to 8;

$R_4$  is of the formula (IV),



wherein  $r$  is an integer ranging from 1 to 8 and  $R_8$  is selected from the group consisting of H, OH,  $(CH_2)_f NH_2$ ,  $(CH_2)_s OH$ , and  $R_{10} COOH$

wherein  $f$  is 0 or  $f$  and  $s$  are independently integers ranging from 1 to 8; and,

$R_{10}$  is a  $C_4$ - $C_8$  straight or branched chain alkylene or alkenylene; and;

~~salts, solvates, and hydrates thereof~~ wherein at least one of its atoms or one or more atoms bonded thereto are ~~radioactively~~ radioactive, spin labeled, or both ~~radioactively~~ radioactive and spin labeled.

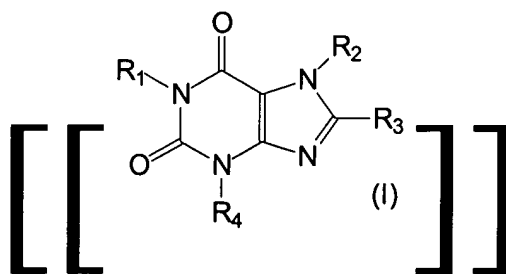
18. (Original) The imaging agent of according to Claim 17 wherein the marker atom is a nuclear spin labeled.

19. (Original) The imaging agent of according to Claim 18 wherein the marker atom is a  $^{19}\text{F}$ .

20. (Original) The imaging agent of according to Claim 17 wherein the marker atom is a radioactive isotope.

21. (Original) The imaging agent of according to Claim 17 wherein the radioactive isotope is  $^{18}\text{F}$ ,  $^{11}\text{C}$ ,  $^{15}\text{N}$ ,  $^{125}\text{I}$ , or  $^3\text{H}$

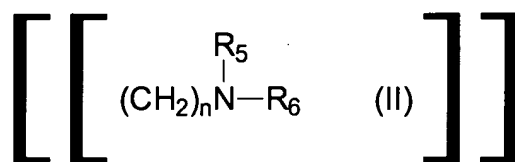
22. (Currently amended) A method of treating  $\text{A}_1$  adenosine receptor related disorders in a mammal in need of treatment thereof, comprising administering an effective amount of a compound according to claim 1, ~~of formula (I):~~



wherein

~~$\text{R}_1$  is a branched or straight chain  $\text{C}_4\text{-C}_8$  alkyl;~~

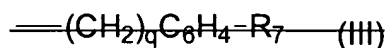
~~$\text{R}_2$  is of the formula (II);~~



wherein  $n$  is an integer ranging from 1 to 8;  $\text{R}_5$  is H or  $(\text{CH}_2)_p\text{CH}_3$ , and  $\text{R}_6$  is H or  $(\text{CH}_2)_m\text{OH}$ ,

wherein  $p$  is an integer ranging from 1 to 7 and  $m$  is an integer ranging from 1 to 8;

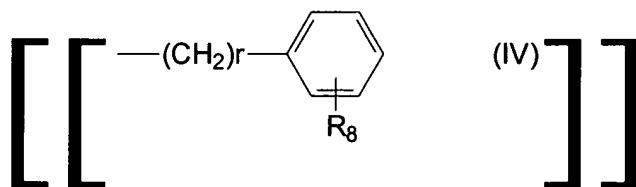
$\text{R}_3$  is of the formula (III),



wherein  $q$  is an integer ranging from 1 to 8; and  $\text{R}_7$  is selected from the group consisting of H, OH,  $\text{NH}_2$ ,  $(\text{CH}_2)_t\text{OH}$ , and  $\text{R}_9\text{COOH}$ ;

wherein  $\text{R}_9$  is a straight or branched chain alkylene or alkenylene group having 1 to 8 carbon atoms, and  $t$  is an integer ranging from 1 to 8;

$\text{R}_4$  is of the formula (IV),



wherein  $r$  is an integer ranging from 1 to 8 and  $\text{R}_8$  is selected from the group consisting of H, OH,  $(\text{CH}_2)_f\text{NH}_2$ ,  $(\text{CH}_2)_s\text{OH}$ , and  $\text{R}_{10}\text{COOH}$

wherein  $f$  is 0 or  $f$  and  $s$  are independently integers ranging from 1 to 8; and,

$\text{R}_{10}$  is a  $\text{C}_4$ - $\text{C}_8$  straight or branched chain alkylene or alkenylene; and;

or a pharmaceutically acceptable salt salts, solvate solvates, or hydrate and hydrates thereof, or a combination of compounds according to claim 1 of formula (I), optionally in combination with one or more other therapeutic agents, to the mammal in need thereof.



23. (Original) The method according to Claim 22 wherein for the compound of formula (I)  $R_1$  is  $C_3$  alkyl;  $R_5$  is  $CH_3(CH_2)_p$  wherein  $p$  is 1;  $R_6$  is  $(CH_2)_mOH$  wherein  $m$  is 2;  $R_7$  is H;  $R_8$  is  $NH_2$ ;  $f$  is 0;  $n$  is 2;  $m$  is 2;  $q$  is 1; and  $r$  is 2.

24. (Original) The method according to Claim 22 wherein for the compound of formula (I)  $R_1$  is  $C_3$  alkyl;  $R_5$  is  $CH_3(CH_2)_p$  wherein  $p$  is 1;  $R_6$  is H;  $R_7$  is  $NH_2$ ;  $R_8$  is  $NH_2$ ;  $f$  is 0;  $n$  is 2;  $q$  is 1; and  $r$  is 2.

25. (Original) The method according to Claim 22 wherein for the compound of formula (I)  $R_1$  is  $C_3$  alkyl;  $R_5$  is  $CH_3(CH_2)_p$  wherein  $p$  is 1;  $R_6$  is H;  $R_7$  is H;  $R_8$  is  $NH_2$ ;  $f$  is 0;  $n$  is 2;  $q$  is 1; and  $r$  is 2.

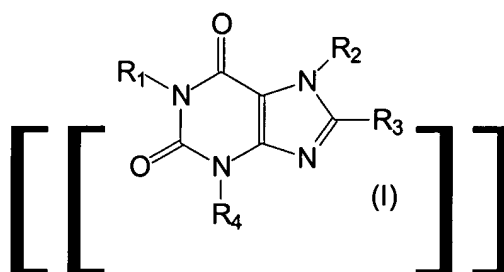
26. (Original) The method according to Claim 22 wherein for the compound of formula (I)  $R_1$  is  $C_3$  alkyl;  $R_5$  is  $CH_3(CH_2)_p$  wherein  $p$  is 1;  $R_6$  is H;  $R_7$  is H;  $R_8$  is  $(CH_2)_sOH$  wherein  $s$  is 2 and  $R_{10}COOH$ , wherein  $R_{10}$  is  $CH=CH$ ;  $n$  is 2;  $q$  is 1; and  $r$  is 2.

27. (Original) The method according to Claim 22 wherein for the compound of formula (I)  $R_1$  is  $C_3$  alkyl;  $R_5$  is  $CH_3(CH_2)_p$  wherein  $p$  is 1;  $R_6$  is H;  $R_7$  is  $(CH_2)_tOH$  wherein  $t$  is 2 and  $R_9COOH$ , wherein  $R_9$  is  $CH=CH$ ;  $R_8$  is  $NH_2$ ;  $f$  is 0;  $n$  is 2;  $q$  is 1; and  $r$  is 2.

28. (Original) The method according to Claim 22 wherein the  $A_1$  adenosine receptor related disorder is congestive heart failure, hypertension, ischemia-reperfusion organ injury, endotoxin-related tissue injury, renal failure, Alzheimer's disease, depression, obesity, asthma, diabetes, cystic fibrosis, allergic conditions, autoimmune disorders, inflammatory disorders, chronic obstructive pulmonary disorders, chronic cough, coronary artery disease, biliary colic, postoperative ileus, fibrosis, sclerosis, Adult Respiratory Distress Syndrome (ARDS), acquired immunodeficiency syndrome

(AIDS), Acute Lung Injury (ALI), acquired immunodeficiency syndrome (AIDS), Severe Acute Respiratory Syndrome (SARS), septicemia, substance abuse, drug dependence, or Parkinson's disease and the mammal is a human.

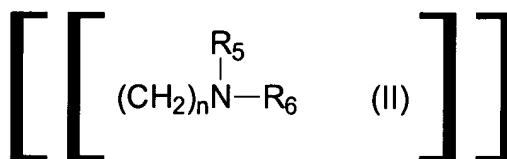
29. (Currently amended) A pharmaceutical composition comprising which comprises a compound according to claim 1, of Formula (I):



wherein

~~R<sub>1</sub> is a branched or straight chain C<sub>4</sub>-C<sub>8</sub> alkyl;~~

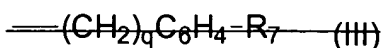
~~R<sub>2</sub> is of the formula (II),~~



~~wherein n is an integer ranging from 1 to 8; R<sub>5</sub> is H or (CH<sub>2</sub>)<sub>p</sub>CH<sub>3</sub>, and R<sub>6</sub> is H or (CH<sub>2</sub>)<sub>m</sub>OH,~~

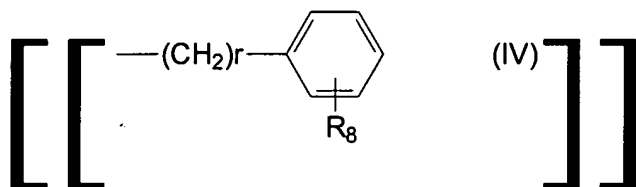
~~wherein p is an integer ranging from 1 to 7 and m is an integer ranging from 1 to 8;~~

~~R<sub>3</sub> is of the formula (III),~~



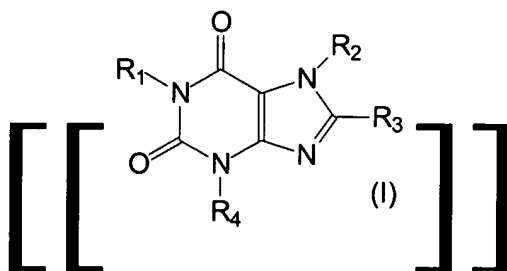
~~wherein q is an integer ranging from 1 to 8; and R<sub>7</sub> is selected from the group consisting of H, OH, NH<sub>2</sub>, (CH<sub>2</sub>)<sub>t</sub>OH, and R<sub>9</sub>COOH;~~

wherein ~~R<sub>9</sub> is a straight or branched chain alkylene or alkenylene group having 1 to 8 carbon atoms, and t is an integer ranging from 1 to 8;~~  
~~R<sub>4</sub> is of the formula (IV),~~

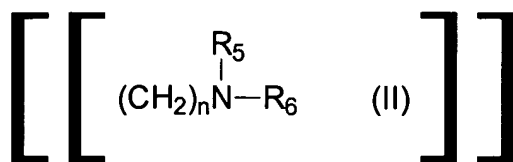


wherein ~~r is an integer ranging from 1 to 8 and R<sub>8</sub> is selected from the group consisting of H, OH, (CH<sub>2</sub>)<sub>f</sub>NH<sub>2</sub>, (CH<sub>2</sub>)<sub>6</sub>OH, and R<sub>10</sub>COOH~~  
~~wherein f is 0 or f and s are independently integers ranging from 1 to 8;~~  
~~and,~~  
~~R<sub>10</sub> is a C<sub>4</sub>-C<sub>8</sub> straight or branched chain alkylene or alkenylene; and;~~  
or a pharmaceutically salt salts, solvate solvates, or hydrate and hydrates thereof and a pharmaceutically acceptable carrier.

30. (Currently amended) A prodrug comprising a compound according to claim 1. of the compound of the formula (I):



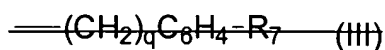
wherein  
~~R<sub>1</sub> is a branched or straight chain C<sub>4</sub>-C<sub>8</sub> alkyl;~~  
~~R<sub>2</sub> is of the formula (II),~~



wherein n is an integer ranging from 1 to 8; R<sub>5</sub> is H or (CH<sub>2</sub>)<sub>p</sub>CH<sub>3</sub>, and R<sub>6</sub> is H or (CH<sub>2</sub>)<sub>m</sub>OH,

wherein p is an integer ranging from 1 to 7 and m is an integer ranging from 1 to 8;

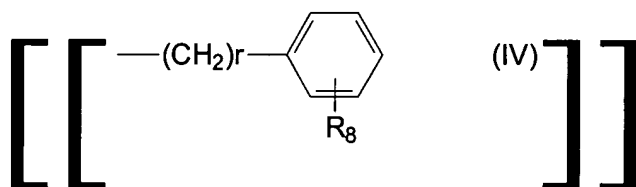
R<sub>3</sub> is of the formula (III),



wherein q is an integer ranging from 1 to 8; and R<sub>7</sub> is selected from the group consisting of H, OH, NH<sub>2</sub>, (CH<sub>2</sub>)<sub>t</sub>OH, and R<sub>9</sub>COOH;

wherein R<sub>9</sub> is a straight or branched chain alkylene or alkenylene group having 1 to 8 carbon atoms, and t is an integer ranging from 1 to 8;

R<sub>4</sub> is of the formula (IV),



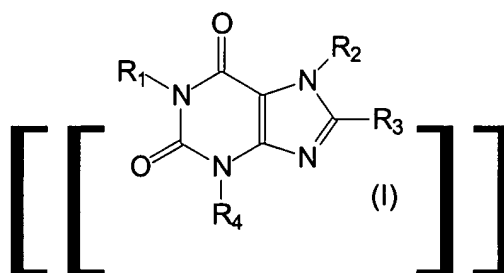
wherein r is an integer ranging from 1 to 8 and R<sub>8</sub> is selected from the group consisting of H, OH, (CH<sub>2</sub>)<sub>f</sub>NH<sub>2</sub>, (CH<sub>2</sub>)<sub>s</sub>OH, and R<sub>10</sub>COOH

wherein f is 0 or f and s are independently integers ranging from 1 to 8; and,

R<sub>10</sub> is a C<sub>4</sub>-C<sub>8</sub> straight or branched chain alkylene or alkenylene; and; salts, solvates, and hydrates thereof.

31. (Currently amended) A method of treating an A<sub>1</sub> adenosine receptor related disorder in a patient in need of treatment thereof, comprising administering an effective amount of a prodrug according to claim 30, or a pharmaceutically acceptable salt, solvate, or hydrate thereof, optionally in combination with one or more other therapeutic agents, to the patient in need thereof.~~The method of administering an appropriate amount of a prodrug of Claim 30 to a patient in need thereof.~~

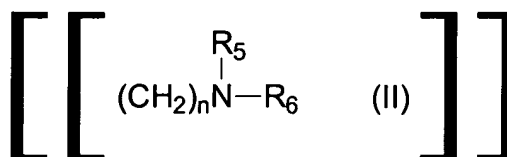
32. (Currently amended) A method of preparing a compound of claim 1, the method comprising: ~~formula (I):~~



wherein

~~R<sub>1</sub> is a branched or straight chain C<sub>4</sub>-C<sub>8</sub> alkyl;~~

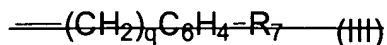
~~R<sub>2</sub> is of the formula (II),~~



~~wherein n is an integer ranging from 1 to 8; R<sub>5</sub> is H or (CH<sub>2</sub>)<sub>p</sub>CH<sub>3</sub>, and R<sub>6</sub> is H or (CH<sub>2</sub>)<sub>m</sub>OH,~~

~~wherein p is an integer ranging from 1 to 7 and m is an integer ranging from 1 to 8;~~

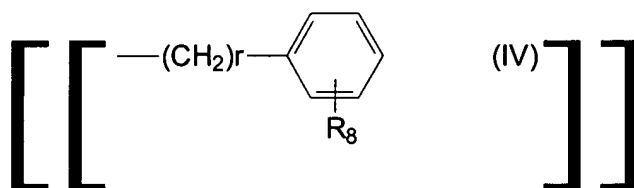
~~R<sub>3</sub> is of the formula (III),~~



wherein  $q$  is an integer ranging from 1 to 8; and  $\text{R}_7$  is selected from the group consisting of H, OH,  $\text{NH}_2$ ,  $(\text{CH}_2)_t\text{OH}$ , and  $\text{R}_9\text{COOH}$ ;

wherein  $\text{R}_9$  is a straight or branched chain alkylene or alkenylene group having 1 to 8 carbon atoms, and  $t$  is an integer ranging from 1 to 8;

$\text{R}_4$  is of the formula (IV);



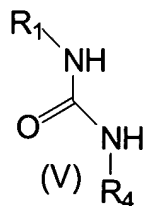
wherein  $r$  is an integer ranging from 1 to 8 and  $\text{R}_8$  is selected from the group consisting of H, OH,  $(\text{CH}_2)_f\text{NH}_2$ ,  $(\text{CH}_2)_s\text{OH}$ , and  $\text{R}_{10}\text{COOH}$

wherein  $f$  is 0 or  $f$  and  $s$  are independently integers ranging from 1 to 8; and,

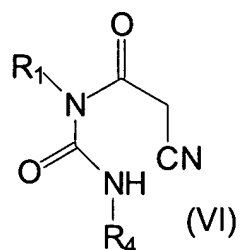
$\text{R}_{10}$  is a  $\text{C}_4\text{---C}_8$  straight or branched chain alkylene or alkenylene; and;

salts, solvates, and hydrates thereof comprising:

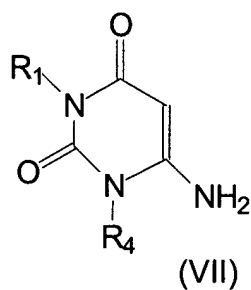
condensing  $\text{R}_4\text{---NH}_2$  with  $\text{R}_1\text{NCO}$  to yield a substituted ureas urea of formula (V)



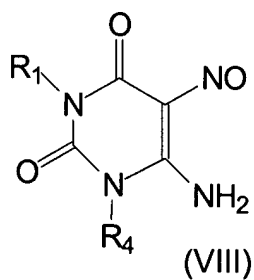
condensing a substituted urea of formula (V) with cyanoacetic acid to yield a compound of formula (VI),



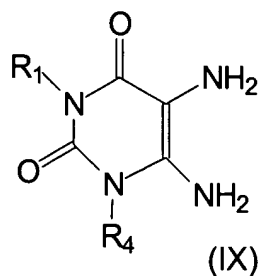
converting a compound of formula (VI) by treatment with strong base to yield a compound of formula (VII),



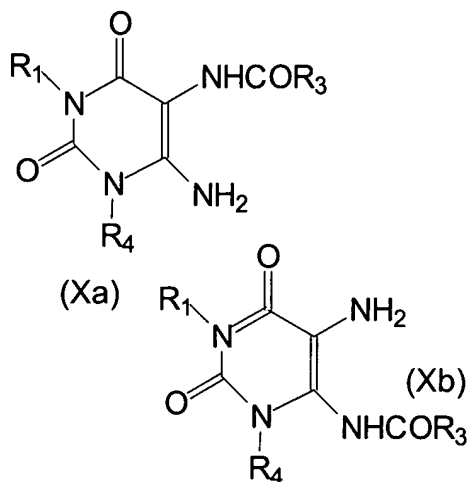
reacting a compound of formula (VII) with NaNO<sub>2</sub> under acidic conditions to yield a compound of formula (VIII)



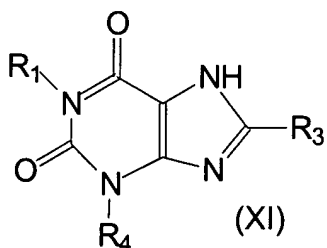
reducing a compound of formula (VIII) to produce a compound of formula (IX)



condensing a compound of formula (IX) with  $R_3\text{-CO}_2\text{H}$  a compound of either formula (Xa) or (Xb),



cyclizing a compound of formula (Xa) or (Xb) in the presence of a strong base to form a compound of formula (XI), and



reacting a compound of formula (XI) with  $\text{L-R}_2$ , wherein L is a leaving group, to yield a compound of formula (I).



33. (Currently amended) The compound according to Claim 1, wherein the compound is: ~~which is:~~

3-[2-(2-Aminophenyl)ethyl]-8-benzyl-7-(2-methylamino)ethyl-1-propylxanthine,  
3-[2-(3-Aminophenyl)ethyl]-8-benzyl-7-(2-methylamino)ethyl-1-propylxanthine,  
3-[2-(2-Aminophenyl)ethyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine,  
3-[2-(3-Aminophenyl)ethyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine,  
3-[2-(2-Aminophenyl)ethyl]-7-(2-ethylamino)ethyl-8-[4-(2-hydroxyethyl)]benzyl-1-propylxanthine,  
3-[2-(3-Aminophenyl)ethyl]-7-(2-ethylamino)ethyl-8-[4-(2-hydroxyethyl)]benzyl-1-propylxanthine,  
8-(4-Aminobenzyl)-3-[2-(2-aminophenyl)ethyl]-7-[2-ethylamino]ethyl-1-propylxanthine,  
8-(4-Aminobenzyl)-3-[2-(3-aminophenyl)ethyl]-7-[2-ethylamino]ethyl-1-propylxanthine,  
3-[2-(2-Aminophenyl)ethyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine,  
3-[2-(3-Aminophenyl)ethyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine,  
3-[2-(2-Aminophenyl)ethyl]-8-benzyl-7-[2-methyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,  
3-[2-(3-Aminophenyl)ethyl]-8-benzyl-7-[2-methyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,  
3-[2-(2-Aminophenyl)ethyl]-8-benzyl-7-[2-ethyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,  
3-[2-(3-Aminophenyl)ethyl]-8-benzyl-7-[2-ethyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,  
8-(4-Aminobenzyl)-3-[2-(2-aminophenyl)ethyl]-7-[2-ethyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,  
8-(4-Aminobenzyl)-3-[2-(3-aminophenyl)ethyl]-7-[2-ethyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,  
3-[4-(2-Aminophenyl)butyl]-8-benzyl-7-[2-ethyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,

3-[6-(2-Aminophenyl)hexyl]-8-benzyl-7-[2-ethyl(2-hydroxyethyl)-amino]ethyl-1-propylxanthine,

3-[4-(2-Aminophenyl)butyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine,

3-[6-(2-Aminophenyl)hexyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine,

3-[4-(3-Aminophenyl)butyl]-8-benzyl-7-[2-ethyl(2-hydroxyethyl)amino]ethyl-1-propylxanthine,

3-[6-(3-Aminophenyl)hexyl]-8-benzyl-7-[2-ethyl(2-hydroxyethyl)-amino]ethyl-1-propylxanthine,

3-[4-(3-Aminophenyl)butyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine or

3-[6-(3-Aminophenyl)hexyl]-8-benzyl-7-(2-ethylamino)ethyl-1-propylxanthine.